$$(\widehat{\overrightarrow{CB},\overrightarrow{CD'}}) \equiv (\widehat{\overrightarrow{CB},\overrightarrow{CD}}) + (\widehat{\overrightarrow{CD},\overrightarrow{CD'}})(2\pi)$$
$$\equiv \frac{-\pi}{2} - \frac{\pi}{2}(2\pi) \equiv \pi(2\pi) \quad (2)$$

(1)+(2) $\Rightarrow \quad \overrightarrow{CB} = -\overrightarrow{CD'} \Rightarrow C = B * D' \Rightarrow D' = S_C(B)$

b) <u>2 éme methode</u> : h(B)=D et h(D)=D'

$h \circ h(B) = D'$ or $h \circ h = t_{2\vec{u}}$

$\Rightarrow 2\vec{u} = \overrightarrow{BD'} \Rightarrow \vec{u} = \overrightarrow{BC} = \overrightarrow{IJ}$

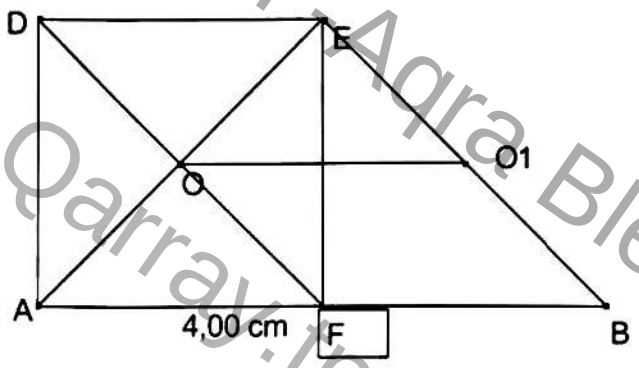
Δ passe par B * D=O et Δ//(IJ) $\Rightarrow \quad \Delta$=(IJ)

c) $h \circ h(A) = h(C) = C' \Rightarrow \overrightarrow{AC'} = \overrightarrow{BD'} \Rightarrow C' = S_D(A)$

7) on a : h(E)=E' car h(ζ)=ζ' et h([AC])=[CC']

$$F = S_{(IJ)}(E')$$
$$\Rightarrow F = S_{(IJ)} o h(E)$$
$$\Rightarrow F = \circ S_{(IJ)} \circ S_{(IJ)} o t_{IJ}(E)$$
$$\Rightarrow F = t_{\overrightarrow{IJ}}(E)$$
$$\Rightarrow \overrightarrow{EF} = \overrightarrow{IJ} \Rightarrow (EF) // (AD)$$

EX 27 :



1) a) r(F)=E r(E)=D

$$\left.\begin{array}{l}(\widehat{\overrightarrow{FE},\overrightarrow{ED}}) \equiv (\widehat{\overrightarrow{FE},\overrightarrow{FA}}) \equiv \frac{\pi}{2}(2\pi) \\ med[FE] \cap med[ED] = \{O\}\end{array}\right\rangle \text{ D'où } r = r_{(O,\frac{\pi}{2})}$$

b) $f = r \circ S_{(OO_1)}$ $\quad f(O) = r \circ S_{(OO_1)}(O) = r(O) = O$

$f(E) = r \circ S_{(OO_1)}(E) = r(F) = E$

Qarray.tn -Aqra Blech- Qarray.tn